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8/16/2004 4:04:14 PM
p:\02414.01\cooling tower\elec\ctr-e001.dwg
..\base\ctr-tblk.dwg THE ELECTRICAL SYSTEM SHOWN ON DRAWINGS IS ONLY DIAGRAMMATICAL AND SHALL BE CORDINATED WITH OTHER TRADES. ALL ITEMS SHALL BE INSTALLED TO MAKE THE SYSTEM COMPLETE AND IN SAFE WORKING ORDER. NOTIEY THE CONSTRUCTION MANAGER OF ANY POTENTIAL INTERFERENCES BEFORE INSTALLING ANY EQUIPMENT.

6. THE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENT OF NATIONAL ELECTRICAL CODE PER NOTE 1.

7. CONDUIT RUIN. PROVIDE SLEEVES THROUGH EXTERIOR WILL DETERMINE THE ACTUAL CONDUIT RUIN. PROVIDE SLEEVES THROUGH EXTERIOR WALLS AND FIRE SEAL/WEATHER SEAL ALL CONDUIT PENETRATIONS.

8. COLOR CODE AND IDENTIFY ALL WIRES.

9. RESTORE ALL AREAS AND SYSTEMS DISTURBED BY THIS WORK TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.

10. VERIFY EXACT LOCATION OF NEW AND EXISTING CONNECTION POINTS PRIOR TO CONNECTION.

11. MOUNTING HEIGHTS ARE TO CENTER OF DEVICE OR EQUIPMENT, UNLESS OTHERWISE NOTED.

12. PROVIDE RACEWAY, WIRE AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND TO FINAL OVERCURRENT DEVICE AND TO LOCAL CONTROL DEVICE(S) PER SPECIFICATIONS.

13. ALL CONDUCTORS SHALL BE COPPER TYPE THWN, MINIMUM SIZE #12 A.W.G., MINIMUM OF #8 A.W.G.

14. ALL 120 VOLT BRANCH CIRCUITS 100 FEET OR LONGER SHALL BE MINIMUM OF #8 A.W.G.

15. PROVIDE A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR WITH THE CIRCUIT CONDUCTORS FOR GROUNDING WHETHER OR NOT INDICATED ON THE DRAWINGS. METAL BEACHWAY, OR A CABLE ARMOR OR SHEATH SHALL NOT BE USED AS AN EQUIPMENT CTRICAL EQUIPMENT INCLUDING POWER RING AND CONDUIT ASSOCIATED WITH JIPMENT TO BE REMOVED BY MECHANIC NOTE "A". COORDINATE WITH NCLUDING BUT NOT LIMITED TO CONDUIT, WIRE, BOXES, UNLESS NOTED OTHERWISE AND SHALL MEET LATEST IEMA STANDARDS, ANSI STANDARDS AND BEAR THE U.L. INSIDE DIAMETER
INTERMEDIATE METAL
JUNCTION BOX
KILOVOLT AMPERE
KILOWATT HOUR
LIGHTNING ARRESTOL
LIFE SAFETY
LONG TIME DELAY
LIGHTING CONDUIT
CATALOG
CABLE ANTENNA TELEVISION
CLOSED CIRCUIT TELEVISION
CIRCUIT
CEILING
CONSTRUCTION MANAGER
COMPUTER POWER CIRCUIT
COMPANY
CABLE TRAY / CURRENT TRAN
CLOSED TRANSITION TRANSFER
COPPER GH INTENSITY DIX NND OFF AUTO JRSEPOWER JUSEKEEPING NORATOR

OUND FAULT CIRCUIT INTERRI
OUND FAULT INTERRUPTING
OUND CIFICATION

ARE
INLESS STEEL

DRT TIME DELAY

RTER
TCH E001 ED101 ED102 E101 E102 INDICATES NEW EQUIPMENT TO REMAIN
INDICATES EXISTING EQUIPMENT TO BE REMOVED
INDICATES EXISTING EQUIPMENT OR CONDUIT RUN UNDER FLOOR
INDICATES INTERLOCK SCHEME
INDICATES EXISTING DEVICE TO BE REMOVED (RISER AND ONE-LINE)
INDICATES EXISTING DEVICE TO BE REMOVED (RISER AND ONE-LINE)
INDICATES MATCH LINE REFERENCING CONTINUATION ON OTHER DRAWING
INDICATES EXISTING BUILDING/NEW CONSTRUCTION BORDER
INDICATES DETAIL AND/OR SECTION REFERENCE
INDICATES BRANCH CIRCUIT BOUNDARY ELECTRICAL GENERAL NOTES, LEGEND AND ABBREVIATIONS
COOLING TOWER ELECTRICAL DEMOLITION AND ONE—LINE DIAGRAN
COOLING TOWER ELECTRICAL PLAN AND ONE—LINE DIAGRAM
SECOND BASEMENT ELECTRICAL PLAN AND PANEL SCHEDULE FUSED DISCONNECT SWITCH, NUMBER INDICATES FUSE SIZE, SURFACE MOUNTED 44" A.F.F. GENERALLY, 5'-0" IN EQUIPMENT CIRCUIT BREAKER (SINGLE-LINE)

Drawing Title:

ELECTRICAL GENERAL

NOTES, LEGEND,

ABBREVIATIONS AND PANEL

SCHEDULE

E001

Z

COOLING TOWER REPLACEMENT

Final Submission August 16, 2004

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